



# 4<sup>TH</sup> ENERGY CONGRESS NEW TRENDS IN THE POLISH ENERGY INDUSTRY



19-20 SEPTEMBER 2018  
WROCŁAW





## DISE

### THE LOWER SILESIAN INSTITUTE FOR ENERGY STUDIES

The Lower Silesian Institute for Energy Studies (DISE), based in Wrocław, is one of the most important Polish Think Tank who deal with the problems of energy security, the liberalization of the gas market, financial management of energy companies and issues of efficiency and innovation in infrastructure projects and related to this sustainable socio-economic development in Poland and in the European Union. DISE is a Foundation gathering together a group of experienced experts: business practitioners, managers from the energy and mining industries, as well as representatives of science. The team of the Lower Silesian Institute for Energy Studies prepares economic, legal, geopolitical and technical analyses, opinions and experts' reports in the field of energy and fuel policy for the needs of government and local government administration, non-governmental organisations and companies operating in the energy and mining industries. It provides Polish and European Union parliamentarians with professional support. The Lower Silesian Institute for Energy Studies conducts also scientific, research and educational activities and organises study visits to the worldwide renowned objects of interest of the energy and mining industries.

## ENERGY CONGRESS – WROCLAW

The Energy Congress is a cyclical undertaking organized by the Lower Silesian Institute for Energy Studies since 2015, focusing on the issues of energy security, efficiency and development of energy and gas markets. According to experts, the Congress is one of the most important events in Poland in the energy, mining and fuel industry, which creates intellectual space to exchange ideas and concepts among scientists, practitioners, businesspeople and government administration representatives.

Professional discussions during the Energy Congress in Wrocław will result in decisions taken at the highest levels of government and corporate management from energy and mining industry, contributing to the transformation of the Polish economy.

### THE 4<sup>TH</sup> ENERGY CONGRESS

The conference will focus on the following topics:

- the new face of Polish power industry in the country's energy doctrine and the strategies of energy companies,

### MANAGEMENT BOARD

Management Board of the Lower Silesian Institute for Energy Studies is comprised of:

**President - Remigiusz Nowakowski**, President of the Management Board, PILE ELBUD S.A., Member of the Board (deputy), EURELECTRIC – Unia Przedsiębiorstw Energetycznych w Europie [Union of European Energy Enterprises], Vice-President of the country-wide organisation of employers „Employers of Poland.” During his professional career, he held the position of the President of Management Board of TAURON Polska Energia SA, the chairman of the Supervisory Board of Tauron Dystrybucja SA and a member of supervisory boards of the Group's companies: Tauron Obsługa Klienta sp. z o.o. and TAMEH - TAURON ArcelorMittal Energy Holding; and a Member of the Supervisory Board of PKN ORLEN SA. He graduated from the Management Studies at the Management, Computer Science and Finance Faculty at the University of Economics and the Law Studies at the Law and Administration Faculty at the University of Wrocław;

**Vice-President - dr Piotr Paszko, PhD**, research scientist at Wrocław University of Economics, and also a manager, entrepreneur and consultant with over 20 years of professional experience in the field of business advisory. He is the author of numerous academic publications on finances, enterprise value management, economics and organisation of co-operation of companies and institutions. He acted as a member of supervisory boards of leading Polish capital companies such as PZU SA and LOT AMS Sp z o.o.

- national program for the construction of a nuclear power plant - key assumptions, time horizon, possible financing models,
- electromobility - engineering of the new industry, opportunity to use the potential for electrification of transport in Poland,
- new business models in the power sector - an overview of global trends and the potential of the electrification trend in Poland,
- financing innovation in the power industry - what technologies will dominate and how it will be financed,
- potential of gas markets in Poland and in the Three Seas Initiative countries - the position of the Region on the global LNG market,
- large-scale energy economics in the scope of RSE - offshore wind farms, photovoltaics, energy storage facilities.

An important event of the conference will be a speech by a foreign guest - Marion Labatut, Director of Policy Issues at EURELECTRIC who will present the “Decarbonization pathways” report for the first time in Poland.

## PROGRAMME COUNCIL OF THE CONGRESS

The detailed program of the Congress was prepared by the Program Council, which consists of the following members:



**Maciej Bando**  
President of Energy  
Regulatory Office



**Henryk Baranowski**  
President of the Management  
Board of PGE SA



**Marcin Chłodziński**  
President of the Management  
Board of KGHM Polska  
Miedź SA



**Wojciech Hann**  
Member of the Board,  
Bank Gospodarstwa  
Krajowego



**Prof. Andrzej Kaleta, PhD**  
Rector  
Wrocław University  
of Economics



**Prof. Waldemar Kamrat,  
PhD, DSc.**  
Gdańsk University  
of Technology



**Mirosław Kowalik**  
President of the Management  
Board of Enea SA



**Michał Kurtyka**  
Secretary of State  
Ministry of the Environment



**Radosław Kwiecień**  
Member of the Board,  
Bank Gospodarstwa  
Krajowego



**Prof. Leszek Kwieciński, PhD**  
Institute of International  
Studies  
University of Wrocław



**Prof. Władysław Mielczarski,  
PhD, DSc.**  
Lodz University of Technolog



**Wojciech Mysłęcki, Dr Eng.**  
Wrocław University  
of Science and Technology,  
Chairman of the Modern  
Technologies Team  
at NCBIR



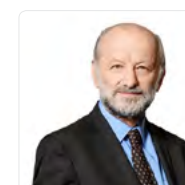
**Prof. Alojzy Nowak, PhD**  
Dean  
University of Warsaw



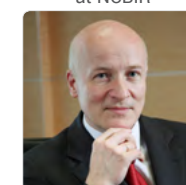
**Prof. Wojciech Nowak,  
PhD, DSc.**  
AGH University of Science  
and Technology



**Prof. Andrzej Osiać**  
Warsaw University  
of Technology



**Prof. Jan Popczyk, PhD, DSc.**  
Silesian University  
of Technology



**Waldemar Skomudek,  
PhD, DSc.**  
Opole University  
of Technology, Executive  
Director for Research  
and Innovation,  
Tauron Polska Energia SA



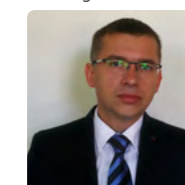
**Rev. Grzegorz Sokołowski,  
PhD**  
Pontifical Faculty of Theology  
in Wrocław



**Mariusz Swora, PhD, DSc.**  
Attorney At Law,  
ACER POLAND Sp. z o.o.



**Prof. Jan Szmidt, PhD, DSc.**  
Rector  
Warsaw University  
of Technology



**Prof. Marek Wróblewski**  
University of Wrocław,  
Faculty of Social Sciences,  
Institute of International Studies



**Piotr Zawistowski**  
President of the Board,  
Towarowa Giełda Energii SA



AGENDA\*

DAY I – 19 SEPTEMBER

08:30 Registration of participants

OPENING SESSION – TRANSFORMATION OF THE ENERGY SECTOR

09:00 The opening of the Congress  
Remigiusz Nowakowski, President of the Management Board Foundation  
dr Piotr Paszko, Vice-President of the Management Board Foundation – DISE

09:10 Speech of Honorary Guest – Maciej Małecki, Member of the Polish Sejm, Chairman of the Parliamentary Energy and Treasury Committee

09:20 Speech of Ambassador of Sweden – Stefan Gullgren  
– Transformation of the energy sector on the example of Sweden

09:30 Speech of Special Guest – Alejandro Ulzurrun, Head of Unit – Communication and Inter-institutional Relations, European Commission – Clean Energy for All Europeans – state of play

09:45 Speech of Special Guest – Jan Staniłko, Director of the Innovation Department, Ministry of Entrepreneurship and Technology – The impact of government innovation policy on the transformation of the energy sector in Poland

10:00 Speech of the Titular Partner – Zbigniew Leszczyński, Member of the Management Board for the Development of PKN ORLEN SA

SUBJECT AREA – ENERGY DOCTRINE



10:15 Marion Labatut, Director Policy ISSUES, Eurelectric – Presentation of the results of the „Decarbonization pathways” report

10:30 Speech of Wojciech Myślecki, Dr Eng. – Poland’s Energy Doctrine – a reason of state or just a policy tool?

10:45 Speech of Prof. Jan Popczyk, PhD, DSc. – The Polish power sector after the transformation – a vision of the energy system of the future

11:00 Speech of – Prof. Waldemar Kamrat – Energy doctrine vs. Poland’s energy sovereignty

11:15 Coffee break

11:40 Debate – What should be contained in the Poland’s energy policy and in what perspective should it be determined? How can the energy policy support the vision of Poland’s modernization?

- How should be formulated the Polish reason of state in the energy sector?
- The doctrine of conventional energy versus distributed energy – is there any room for compromise?
- How should the transformation of energy sector look like to be effective and socially acceptable?
- Fuel mix of the future - what should it be? Should it be defined or determined by the optimal technology?

Moderator

• Remigiusz Nowakowski – President of the Management Board Foundation, DISE

Panelists

- Maciej Bando – President URE
- Jarosław Dybowski – Executive Director for Energy PKN ORLEN SA
- Marion Labatut – Director, Director Policy ISSUES, Eurelectric
- Wojciech Myślecki, Dr Eng. – Wrocław University of Science and Technology, Chairman of the Modern Technologies Team at NCBiR
- Prof. Jan Popczyk, PhD, DSc. – Faculty of Electrical Engineering the Silesian University of Technology in Gliwice
- Mirosław Kowalik – President of the Board, Enea SA
- Waldemar Skomudek, PhD, DSc. – Opole University of Technology, Executive Director for Research and Innovation, Tauron Polska Energia S.A.
- Alejandro Ulzurrun – Head of Unit – Communication and Inter-institutional Relations, European Commission
- Marcin Roszkowski – President of the Board, Instytut Jagielloński
- dr Paweł Turowski – BBN

13:00 Lunch

SUBJECT AREA – ELECTROMOBILITY



14:00 Presentation – Jacek Libucha, Managing Director, The Boston Consulting Group  
Electromobility - global megatrend changing the rules of the game in the economy or just another change in technology in the automotive industry

14:15 Presentation – Magdalena Jackowska - Rejman, President of the Board, Techbrainers Sp. z o.o.  
Presentation of the acceleration project PARP „Pilot Maker Electro”



PLACE

Hotel Novotel Wrocław Centrum, Powstańców Śląskich 7a-7b, Wrocław

14:30 Debate – Electromobility in Poland: an opportunity to build a new industry or only potential for electrification of transport?

- When electric cars replace cars with an internal combustion engine – the perspective of the automotive industry?
- Meaning of electromobility development for the liquid fuels market – the perspective of the fuel industry?
- How to meet the demand for electricity necessary to power electric vehicles – the perspective of the energy industry?
- What should the infrastructure development strategy for electric vehicles look like?
- Are the current regulatory tools sufficient to create a framework for the development of electromobility in Poland? What are the success factors for the development of the emobility?

Moderator

• Krzysztof Bolesta – Vice-President of the Foundation FPPE

Panelists

- Marek Gawroński – Vice-President, Volvo Group Poland Sp. z o.o.
- Magdalena Jackowska - Rejman – President of the Board, Techbrainers Sp. z o.o.
- Katarzyna Sobótka - Demianowska – Manager Power Generation Project Preparation Team PKN ORLEN SA
- Marcin Korolec – President of the Foundation FPPE
- Vincent Schachter – Senior Vice-President, Energy Services Electric Motor Werks, Inc, an Enel Group Company
- Marcin Szczudło – Vice-President, PGNiG Obrót Detaliczny Sp. z o.o.
- Robert Zasina – President of the Board Tauron Dystrybucja SA
- Andrzej Ziółkowski – President UDT

15:30 Coffee break

SUBJECT AREA – ELECTRIFICATION AS A GLOBAL TREND, NEW BUSINESS MODELS IN THE POWER SECTOR

15:45 Vincent Schachter – Senior Vice-President, Energy Services Electric Motor Werks, Inc, an Enel Group Company – Digitalization will change energy business in future

16:15 Jarosław Broda – Vice-President of the Management Board for Property and Development Management – Tauron Polska Energia SA – The ecosystem model of innovation in the energy sector on the example of Tauron

16:20 Microsoft Presentation – speech Jarosław Zarychta – Business Development Manager, Tomasz Kozar – Cloud Technology Strategist – The practical depiction of digital transformation in the energy value chain

16:40 Debate – New trends in the energy business – how the development of technology will change the way of the supply and consumption of energy?

- How will the technological revolution change the energy sector?
- Digitization of energy - what technology will be available to customers?
- Models of settlements between prosumers – will „sharing economy” dominate the way we use energy?
- Energy storage technologies – game changer or another limited application technology?
- What will the future energy market model be like? Will the dual-market market based on the power mechanism be justified in the future?
- New business models based on services - the customer as the central element of the energy market model

Moderator

• Mariusz Swora, PhD, DSc. – Attorney At Law, ACER POLAND Sp. z o.o.

Panelists

- Tomasz Bendlewski – Director of the Energy and Gas Industry, Asseco Poland SA
- Dawid Klimczak – President of the Board, ENEA Trading Sp. z o.o., Member of the Governing Board, PKEE
- Prof. dr hab. inż. Wojciech Nowak – AGH University of Science and Technology in Krakow
- Michał Rumiński – President of the Board, EEC Magenta Sp. z o.o.
- Anna Streżyńska – President of the Board MC2 Solutions Sp. z o.o., Minister of Digitization in 2015-2018
- Grzegorz Należyty – General Director Power Divisions, Siemens Sp. z o.o.
- Vincent Schachter – Senior Vice-President, Energy Services Electric Motor Werks, Inc, an Enel Group Company
- Daivis Virbickas – CEO, Litgrid AB
- Agnieszka Wasilewska-Semail – President of the Board Rafako SA

18:15 End of the first day of the congress

20:30 Gala dinner

\* The Organizer reserves the right to modify the content of the programme.



AGENDA\*

DAY II - 20 SEPTEMBER

OPENING SESSION

- 10:00** Speech of Honorary Guest – Tomasz Dąbrowski, Undersecretary of State in the Ministry of Energy
- 10:15** Speech of Strategic Partner – Paweł Śliwa, Vice-President of Innovation, PGE SA
- 10:30** Speech of the Main Partner – Filip Grzegorzczak, President of the Board, TAURON Polska Energia SA
- 10:45** „Energy Business Personality 2018” – Award Ceremony

SUBJECT AREA – GLOBAL LNG AND GAS POWER GENERATION

- 11:15** Speech of Tomasz Dąbrowski, Undersecretary of State in the Ministry of Energy – Poland’s energy policy and the transformation of the gas sector
- 11:30** Speech – Paty Mitchell, Public Relations, Sempra LNG & Midstream – Gas as a global commodity, will LNG replace conventional supplies based on local transmission systems?
- 11:45** Debate – The gas market in the world - the impact of global LNG supply on the European gas market
  - What price model will dominate in the future – oil price indexation versus market indexes in regional gas hubs
  - Long-term contracting or shopping in the SPOT formula – which model will be dominant in the future?
  - What is the optimal model of development of the transmission infrastructure to ensure security of gas supply in Europe? Will the European single gas market become a reality?
  - What conditions must be met for Poland to become a regional gas hub in Europe?
  - Nordic Pipe vs. Nord Stream II - alternative or coexistence?
  - Three Seas Initiative and concept of location of a gas hub in Poland for Central and Eastern European markets.

- Moderator**
- Wojciech Jakóbk** – Biznes Alert

- Panelists**
- Saulius Bilys** – CEO, AB Amber Grid
  - Gintaras Buzkys** – Chief Business Development Officer, UAB GET Baltic
  - Jacek Janas** – President of the Board TGPE
  - Ireneusz Łazor** – Branch Manger London, PGNiG Supply & Trading GmbH Establishment
  - dr Anna Mikulska** – Fellow, Baker Institute/KCEP
  - Erik Rakhou** – Senior Manager, Baringa Partners
  - Zbigniew Stasiak** – Counsel, Dentons Europe Dąbrowski i Wspólnicy sp. k.
  - Tomasz Stępień** – President of the Board, OGP GAZ SYSTEM SA
  - Piotr Zawistowski** – President of the Board, TGE SA

12:45 Coffee break

- 13:00** Presentation of the special guest – Dr. Volkmar Pflug – Head of Strategy, Power and Gas Division, Siemens Global Energy Transition – what is driving the change? How will future energy markets look like?

SUBJECT AREA – A NEW GENERATION OF RENEWABLE ENERGY SOURCES



- 13:15** Debate – Large-scale renewable energy – potential in Poland
- Can the wind farms at sea dominate the generation of renewable energy sources in Europe? What is the potential for solar photovoltaic farms?
  - Overview of technologies used in offshore wind farms and solar PV scale utility
  - Will the development of energy storage technology be an accelerator for the construction of a stable source of RES? Examples of the implementation of battery power storage systems in cooperation with RES installations
  - Doweneed asupportsystemforoffshorewindfarmdevelopment – what should it look like?
  - What projects of offshore wind energy sector have a chance to be created in Poland?
  - What is the scope of the development of the transmission network in Poland necessary for the connection of planned projects? What is the optimal level of back-up capacity?

- Moderator**
- dr Christian Schnell** – Energy Sector Expert, Vice-President, Union of Entrepreneurs and Employers of the Energy Sector ZPPSE



PLACE

Hotel Novotel Wrocław Centrum, Powstańców Śląskich 7a-7b, Wrocław

- Panelists**
- Janusz Gajowiecki** – President of the Board, PSEW
  - Rafał Hajduk** – Partner, Domański Zakrzewski Palinka Sp. k.
  - Andrzej Kensbok** – Vice-President of the Management Board, Industrial Development Agency JSC
  - Monika Morawiecka** – Member of the Governing Board, PKEE, Director of the Strategy Department, PGE SA
  - Maciej Przybylski** – Deputy Director of the Department of Development, PSE SA
  - Mariusz Radziszewski** – Head of the Department of the Ministry of Energy - the Renewable and Distributed Energy Department
  - Adam Zalewski** – Director of Strategy and Development, Griffin Energy Group Pty Ltd
  - Krzysztof Witkowski** – Director of the Energy Property Management Office PKN ORLEN SA

14:15 Lunch

- 15:00** Congress Partner Presentation – Microsoft – Regionalization or digitization? Modern management of field brigades

SUBJECT AREA – LARGE-SCALE, CONVENTIONAL LOW-CARBON ENERGY – NUCLEAR ENERGY

- 15:15** Debate – Large scale low emission power generation in Poland a real option or a distant vision? Under which technology and what conditions nuclear energy and fossil fuels energy have a chance of development in Poland
- Does nuclear power fit the Polish reason of state?
  - Clean coal technology – dream or real option
  - What technologies should be considered, what factors should designate the optimal technology for Polish?
  - Potential models of nuclear financing
  - Examples of modernization and development of new nuclear power plants
  - Fuel acquisition and storage of radioactive waste – which variant should Poland choose?

- Moderator**
- Robert Tomaszewski** – Polityka Insight

- Panelists**
- Bruno Blotas** – Vice-President, Business Development New Nuclear, Electricite de France
  - Paweł Grzejszczak** – Partner, Domański Zakrzewski Palinka Sp. k.
  - Wojciech Hann** – Member of the Board, Bank Gospodarstwa Krajowego
  - Prof. Waldemar Kamrat** – University of Technology in Gdańsk
  - Prof. Konrad Świrski** – Institute of Thermal Technology, Faculty of Power and Aeronautical Engineering, Warsaw University of Technology
  - Ziemowit Iwański** – CEO, IPS, Consultant of energy projects, Executive Director at GE Hitachi Nuclear Energy in 2011-2015
  - Paul Pearson** – Director at Sugoi Advisory Services
  - Łukasz Sawicki** – Chief Specialist on Strategies and Economic Analysis of the Nuclear Sector, Department of Nuclear Energy of the Ministry of Energy

- 16:30** Janusz Tchórz, Director of the Department of Research, Technology and Development, TAURON WYTWARZANIE SA – Research and implementation project SNG-CO2 conversion of CO<sub>2</sub> into synthetic natural gas with the use of excess energy from RES

16:45 Summary and conclusions


17:00 End of the second day of the congress

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PANELISTS



**Tomasz Dąbrowski**  
Undersecretary of State  
in the Ministry of Energy




**Stefan Gullgren**  
Special Guest  
Ambassador of Sweden




**Prof. Jan Popczyk,  
PhD, DSc.**  
Silesian University  
of Technology




**Prof. Konrad Świrski  
PhD, DSc.**  
Warsaw University  
of Technology,  
Institute of Thermal  
Technology




**Prof. Waldemar Kamrat,  
PhD, DSc.**  
Gdańsk University  
of Technology



**Prof. Wojciech Nowak,  
PhD, DSc.**  
AGH University of Science  
and Technology



**Wojciech Mysłowski, Dr Eng.**  
Wrocław University  
of Science and Technology,  
Chairman of the Modern  
Technologies Team  
at NCBiR




**Henryk Baranowski**  
President of the Board,  
PGE SA




**Filip Grzegorzczak,**  
President of the Board,  
TAURON Polska  
Energia SA




**Jarosław Broda**  
Vice-President of the  
Management Board for  
Property and Development  
Management,  
Tauron Polska Energia SA




**Robert Zasina**  
President of the Board  
TAURON Dystrybucja SA



**Waldemar Skomudek,  
PhD, DSc.**  
Opole University  
of Technology, Executive  
Director for Research  
and Innovation,  
Tauron Polska Energia SA




**Maciej Bando**  
President of Energy  
Regulatory Office




**Mirosław Kowalik**  
President of the  
Management Board  
of Enea SA




**Agnieszka  
Wasilewska-Semal**  
President of the Board  
Rafako SA




**Piotr Zawistowski**  
President of the Board,  
Towarowa Gielda  
Energii SA




**Jacek Janas**  
President of the Board  
TGPE




**Andrzej Kensbok**  
Vice-President  
of the Management  
Board, Industrial  
Development Agency JSC




**Janusz Gajowiecki**  
President of the Board,  
PSEW




**Marek Gawroński**  
Vice-President,  
Volvo Poland Sp. z o.o.




**Marcin Korolec**  
President of the Board,  
Foundation FPPE




**Michał Rumiński**  
President of the Board,  
EEC Magenta Sp. z o.o.



**Adam Zalewski**  
Director of Strategy  
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Energy Group Pty Ltd




**Andrzej Ziolkowski**  
President UDT



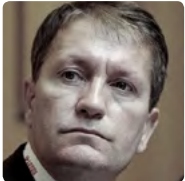
**Dawid Klimczak**  
President of the Board,  
Enea Trading Sp. z o.o.,  
Member of the Governing  
Board PKEE




**Marcin Szczudło**  
President of the Board,  
Polskie Górnictwo  
Naftowe i Gazownictwo  
– Obrót Detaliczny  
Sp. z o.o.




**Tomasz Stępień**  
President of the Board,  
OGP GAZ SYSTEM SA



**Bruno Blotas**  
Vice-President,  
Business Development  
New Nuclear,  
Electricite de France



**Anna Streżyńska**  
President of the Board  
MC2 Solutions Sp. z o.o.,  
Minister of Digitization  
in 2015-2018



**Magdalena  
Jackowska - Rejman**  
Prezes Zarządu,  
Techbrainers Sp. z o.o.

PANELISTS



**Marcin Roszkowski**  
President of the Board,  
Instytut Jagielloński



**Vincent Schachter**  
Senior Vice-President,  
Energy Services  
Electric Motor Werks,  
Inc, an Enel Group  
Company



**dr Volkmar Pflug**  
Head of Strategy,  
Power and Gas  
Division, Siemens



**Grzegorz Należyty**  
General Director  
Power Divisions,  
Siemens Sp. z o.o.



**Maciej Przybylski**  
Deputy Director  
of the Department  
of Development,  
PSE SA



**Wojciech Hann**  
Member of the Board,  
Bank Gospodarstwa  
Krajowego



**Zbigniew Leszczyński**  
Member of the  
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of PKN ORLEN SA



**Monika Morawiecka**  
Member of the  
Governing Board PKEE,  
Director of the Strategy  
Department PGE SA



**Mariusz Radziszewski**  
Head of the  
Department  
of the Ministry of  
Energy - the Renewable  
and Distributed  
Energy Department



**Ziemowit Iwański**  
CEO, IPS, Consultant  
of energy projects,  
Executive Director  
at GE Hitachi Nuclear  
Energy in 2011-2015



**Marion Labatut**  
Director Policy  
ISSUES,  
Eurelectric



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CEO, Litgrid AB



**Saulius Bilys**  
CEO, AB Amber Grid



**Gintaras Buzkys**  
Chief Business  
Development Officer,  
UAB GET Baltic



**dr Anna Mikulska**  
Fellow, Baker  
Institute/KCEP



**Erik Rakhou**  
Senior Manager,  
Baringa Partners



**Rafał Hajduk**  
Member of the District  
Chamber of Legal  
Advisers  
in Warsaw



**dr Paweł Grzejszczak**  
Member of the District  
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Advisers  
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**Zbigniew Stasiak**  
Counsel,  
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Dąbrowski  
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**Tomasz Bendlewski**  
Director of the Energy  
and Gas Industry,  
Asseco Poland SA



**Jarosław Dybowski**  
Executive Director  
for Energy  
PKN ORLEN SA



**Krzysztof Witkowski**  
Director of the Energy  
Property Management  
Office PKN ORLEN SA



**Katarzyna Sobótka  
– Demianowska**  
Manager Power  
Generation Project  
Preparation Team  
PKN ORLEN SA



**Ireneusz Łazor**  
Branch Manger,  
London  
PGNiG Supply  
& Trading GmbH  
Establishment



**Łukasz Sawicki**  
Chief Specialist  
on Strategies and  
Economic Analysis  
of the Nuclear Sector,  
Department of Nuclear  
Energy of the Ministry  
of Energy



**Jarosław Zarychta**  
Business  
Development  
Manager, Microsoft



**Tomasz Kozar**  
Cloud Technology  
Strategist, Microsoft



**Remigiusz  
Nowakowski**  
President of the  
Management  
Board Foundation,  
DISE  
Moderator



**Krzysztof Bolesta**  
Vice-President  
of the Foundation  
FPPE  
Moderator



**Mariusz Swora, PhD,  
DSc.**  
Attorney At Law,  
ACER POLAND Sp. z o.o.  
Moderator



**Wojciech Jakóbiak**  
BiznesAlert.pl  
Moderator



**dr Christian Schnell**  
Energy Sector Ex-pert,  
Vice-President, Union  
of Entrepreneurs and  
Employers of the Energy  
Sector ZPPSE  
Moderator



**Robert Tomaszewski**  
Polityka Insight  
Moderator





## WROCLAW

To say that Wrocław is a special city is definitely an understatement. In order to understand the unique character of this place, you would need to come here and see it for yourself, because it's difficult to find the right words to describe it. It's about its environment, its atmosphere, its beauty and the emotions it evokes. Suffice it to say that The Guardian listed it as one of the 10 most interesting European cities, a must-see. Wrocław's history dates back to over one thousand years ago. Over the centuries it has belonged to the Poles (its founders), the Czechs, the Austrians, the Germans and for a little while to the French. It has always been the most important city of Silesia and thanks to its richness and economic development, it is one of the most influential cities in Europe. During WW II Wrocław (then called Breslau, as it belonged to the Third Reich), in the last months of this terrible conflict, was turned into a bastion by the Nazis and then completely destroyed by the occupying Soviet army.

### WROCLAW'S MUST-SEE

As there isn't much free time scheduled in the Congress timetable, we do think it's worth extending your stay in Wrocław, to get at least a small grasp of its attractions. Our „must-see places are:

- 👁️ **RYNEK (ENG. THE MARKET SQUARE)** – one of the biggest city squares in Europe, with the beautiful City Hall and Cloth Hall in the centre. It's a place that lives 24 hours a day, showing its various, fascinating aspects at different times of day.
- 👁️ **OSTRÓW TUMSKI** – the oldest part of the city, nowadays called the “little Vatican”, as the cathedral, several churches and the archbishop's palace are located there. The best view on Ostrów Tumski is from the promenade On Xavery Dunikowski Boulevard.
- 👁️ **CENTENNIAL HALL** – it's a UNESCO World Heritage Site, an extraordinary architectural Landmark. Its stories are presented on an interesting, multimedia exhibition. The site is still used as a sport and concert hall, as well as the place where many fairs are organised.
- 👁️ **JAPANESE GARDEN** – is a part of the huge Szczytnicki Park situated Close to the Centennial Hall. It's a magic place designed by Japanese specialists, where you can take a rest after all day's sightseeing.

After the war Polish people managed to put its broken pieces back together and little by little restored the city's old glory. As time went by, they got used to Wrocław's international roots, which nowadays they are very proud of. In the 21st century, Wrocław has become one of the most important Polish cities in terms of culture, economics, knowledge-based industry and higher education. What speaks for the unique character, ambiance of the city is the fact that Norman Davies, one of the most significant European historians, dedicated his big publication „Microcosm” to the city of Wrocław. Moreover, Marek Krajewski, detective stories writer, famous in Poland and abroad said: „Being a Wrocław person is a matter of choice and good taste.” And it's true. One chooses to be a „Wrocław person” - you can say „I'm from Wrocław” from the first moment you set your foot in this city. And it makes everyone happy, regardless of whether you have lived here for generations or just for a month.

- 👁️ **ZOOLOGICAL GARDEN AND AFRICANARIUM** – it's surely one of the best-known attractions in Wrocław. Thanks to the Africanarium, Wrocław ZOO is considered the third most interesting zoo in the world! Number one and two are zoological garden from the USA. Africanarium is a huge building with a 1.5-kilometre trail through the sea, the swamps and the jungle. An amazing experience.
- 👁️ **HYDROPOLIS** – an unusual exhibition dedicated to water and its various aspects. It is considered one of the most interesting sites of this kind in the world.
- 👁️ **MOTORBOAT CRUISES ON ODER RIVER** – Wrocław is situated upon five rivers and has got over 100 big bridges, which provides us with amazing views that you can admire from big cruise ships or small motorboats that you can steer by yourself. The breathtaking views are really worth it.

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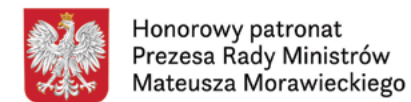
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PKN ORLEN is a modern player on the fuel and energy market, the largest company in Central and Eastern Europe, listed in the prestigious Platts TOP250 list. ORLEN has been recognized for the past few years as the most valuable brand in Poland, valued at PLN 4.7 billion.

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# DBAMY o Polskę

## Energia ma nasz kolor!





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